

### **ABSTRACT OF THE DISCLOSURE**

A system and method for controlling a controlled parameter that affects a target parameter of a target zone is disclosed. The method comprises providing a feedback control loop having a switching controller, a controlled device, and an averaging device. The controlled device comprises a time constant and a specified operational characteristic. The controlled device comprises a first operational state and a second operational state. The method further comprises calculating a time constant for the averaging device based at least on the time constant for the controlled device, and the specified operational characteristic. The specified operational characteristic may comprises a minimum amount of time that the controlled device operates before it can be switched between the first operational state and the second operational state.